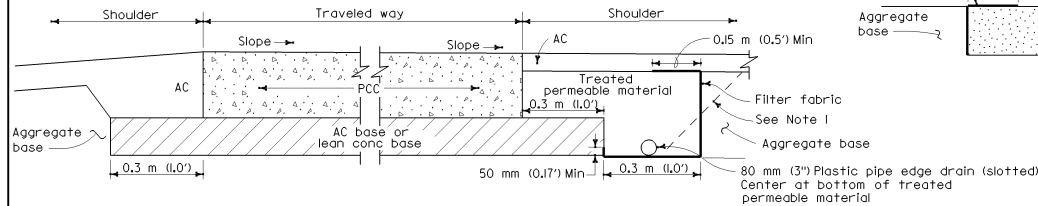
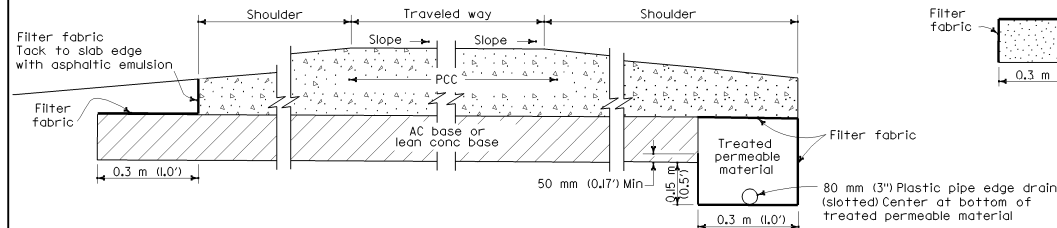


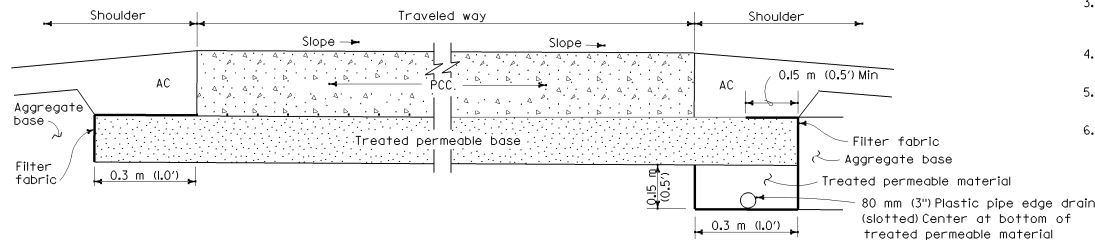
**TYPE 1 STRUCTURAL SECTION DRAINAGE SYSTEM**  
(For existing highway facility)



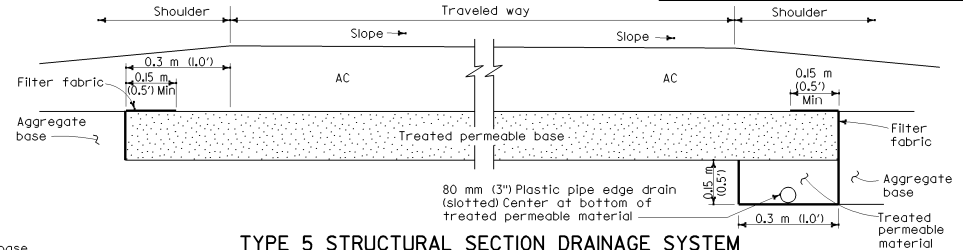
**TYPE 2 STRUCTURAL SECTION DRAINAGE SYSTEM**  
(New construction)



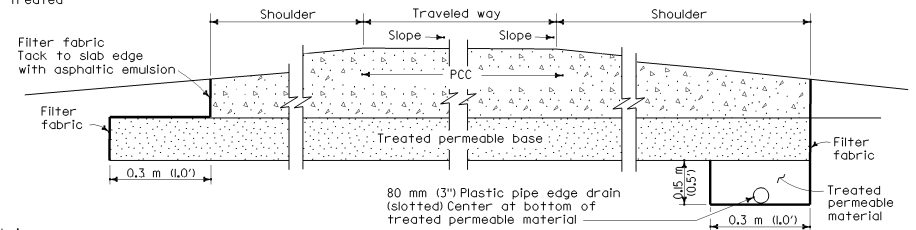
**TYPE 3 STRUCTURAL SECTION DRAINAGE SYSTEM**  
(New construction)



**TYPE 4 STRUCTURAL SECTION DRAINAGE SYSTEM**  
(New construction)



**TYPE 5 STRUCTURAL SECTION DRAINAGE SYSTEM**  
(New construction)



**TYPE 6 STRUCTURAL SECTION DRAINAGE SYSTEM**  
(New construction)

**NOTES:**

1. At the Contractor's option, on new construction, the vertical jointline (including the filter fabric) between the treated permeable material and the shoulder base/subgrade material may be rotated about its midpoint to a slope not flatter than 1:1 as shown by the dashed lines.
2. See the project plans and typical cross sections for pavement structural section details.
3. The plan layout for structural section drainage collector and outlet systems for new portland cement concrete pavement and new asphalt concrete pavement is the same as that shown on Standard Plan D998.
4. For plastic pipe edge drain diameter larger than 80 mm (3"), the minimum trench width shall be equal to the outside diameter of the plastic pipe plus 100 mm (4").
5. For plastic pipe edge drain diameters larger than 80 mm (3"), all details for 80 mm (3") plastic pipe edge drain shall apply.
6. For pavements thicker than 230 mm (0.75'), the minimum trench depth is 0.3 m (1.0').

**STRUCTURAL SECTION  
DRAINAGE SYSTEM DETAILS**

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses ( ). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

**D99A**

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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REGISTERED CIVIL ENGINEER Kevin M. Merritt No. C36577 Exp. 6-30-04 STATE OF CALIFORNIA					